

ANSWER AND SOLUTIONS

ALPHAMETICS

S. Kahan

48.3.1 Doubly True – 200 in Italian by Giulio Cesare, Rome, Italy

Solve the alphametic

$$\text{UNO} + \text{SETTE} + \text{DIECI} + \text{SEDICI} + \text{SESSANTA} + \text{CENTO} = \text{DUECENTO}.$$

$$\text{Solution: } 594 + 12332 + 86276 + 128676 + 12110930 + 72934126 = 85272934$$

48.3.2 Doubly True – 700 by Junya Take, Kanagawa, Japan

Solve the alphametic

$$29(\text{THREE}) + 19(\text{SEVEN}) + 3(\text{NINE}) + 6(\text{TEN}) + 10(\text{THIRTEEN}) \\ + 3(\text{SEVENTEEN}) + \text{HUNDREDTHREE} + \text{HUNDREDNINE} = \text{SEVENHUNDRED}.$$

$$\text{Solution: } 29(73100) + 19(40809) + 3(9590) + 6(709) + 10(73517009) \\ + 3(408097009) + 369210273100 + 36921029590 = 408093692102$$

48.3.3 Square Root by Andrzej Bartz, Fuerth, Germany

Solve the alphametic

$$\text{SIX} + \text{ONE} - \text{TWO} = \sqrt{\text{SEVEN} + \text{SEVEN} + \text{ELEVEN}}.$$

$$\text{Solution: } 709 + 438 - 154 = \sqrt{78683 + 78683 + 828683}$$

48.3.4 Old Adage by Frank Mrazik, Montreal, Quebec

Solve the alphametic

$$\text{TWO} + \text{APPLES} + \text{A} + \text{DAY} + \text{KEEPS} + \text{THE} = \text{DOCTOR} - \text{AWAY} \text{ in base 14.}$$

$$\text{Solution: } 263 + \text{cbba}79 + \text{c} + \text{dc1} + 477\text{b}9 + 287 = \text{d35230} - \text{c6c1}$$

48.3.5 United Nations by Paul Boymel, Potomac, Maryland

Solve the alphametic

$$(\text{KOREA}) \times (\text{IRAN}) = \text{ARGENTINA}.$$

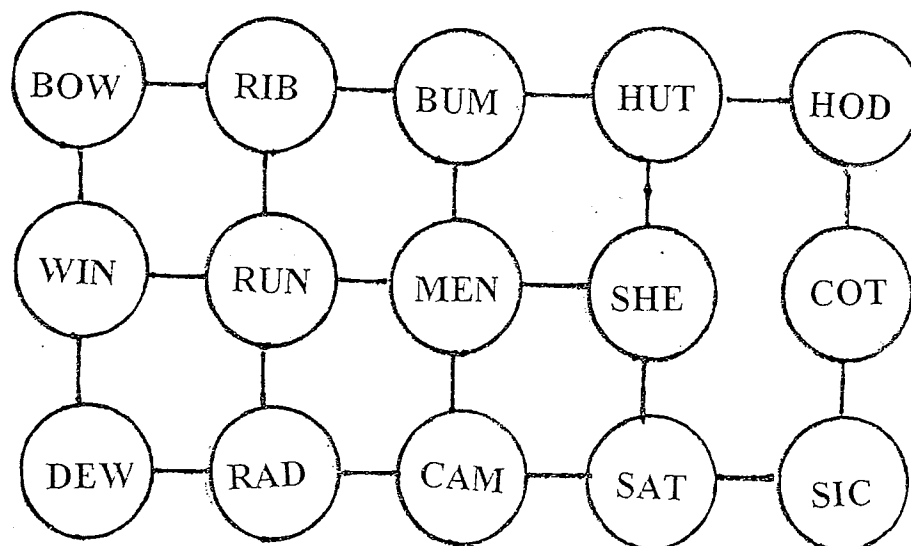
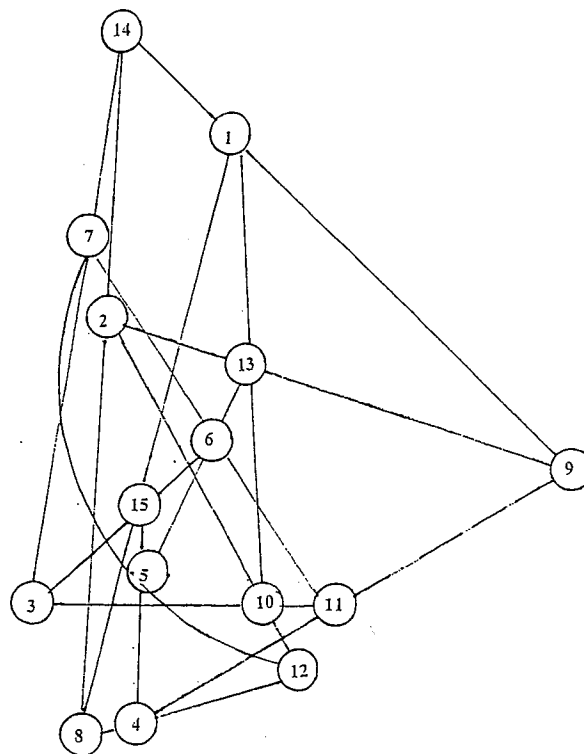
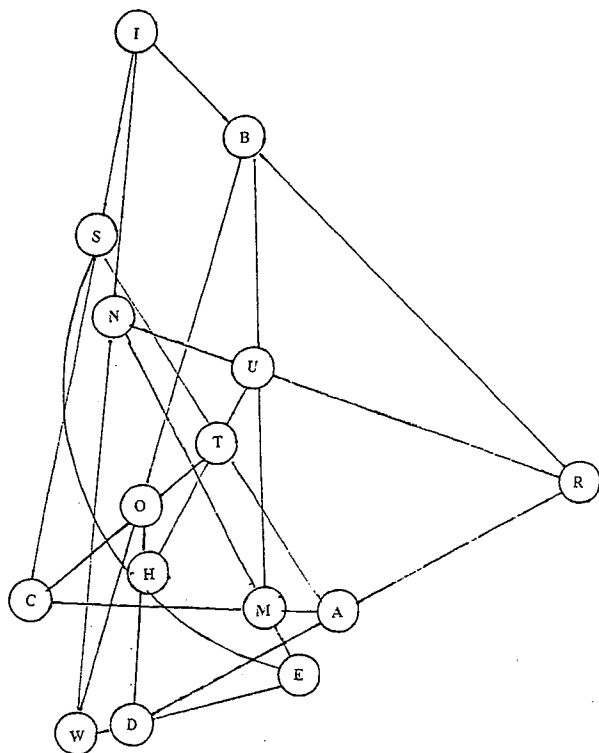
$$\text{Solution: } (80134) \times (5146) = 412369564$$

48.3.6 Hashtag by Andrzej Bartz, Fuerth, Germany

Solve the alphametic

$$(\text{TIC})^2 + (\text{TAC})^2 + (\text{TOE})^2 = (\text{GAME})^2.$$

$$\text{Solution: } (740)^2 + (720)^2 + (765)^2 = (1285)^2$$



ANAGRAM QUIZ 16

Anil

- | | | | |
|---------------------|-------------------|------------------------|--------------------|
| 1. space [or capes] | 10. pie section | 19. old fashioned | 28. make the grade |
| 2. retailed | 11. scurrilous | 20. measurements | 29. nightmare |
| 3. safety | 12. sand dune | 21. self-portrait | 30. rigamarole |
| 4. prestige | 13. remorseful | 22. nonresistance | 31. profanations |
| 5. pothead | 14. propaganda | 23. self-sufficient | 32. obdurate |
| 6. press-top | 15. police force | 24. recursive function | 33. plus or minus |
| 7. portrayal | 16. correlations | 25. austere | 34. secret weapon |
| 8. rebound | 17. ballot paper | 26. ransom | 35. semidormant |
| 9. pleasures | 18. self-absorbed | 27. phoenix | 36. self-deceptive |

ICHTHYOMITHONYMY

T. Miller

Birds: 2, 5, 7, 8, 11, 15, 17, 20, 21, 26, 27, 28, 29, 30.

Fish: 1, 4, 9, 10, 12, 13, 14, 16, 18, 19, 22, 23, 24, 25.

Both: 6. Neither: 3.

All bird names are taken from Wikipedia, and all fish names from FishBase.

ANAGRAM QUIZ 17

Anil

- | | | |
|-----------------------------------|-----------------|------------------------|
| 1. semiadhesively | 13. non-limber | 25. mountebanks |
| 2. doomsayer | 14. secularity | 26. complications |
| 3. soliton | 15. begrudge | 27. mediate |
| 4. out of sorts | 16. adages | 28. sartorialist |
| 5. miniature | 17. clinched | 29. final tests |
| 6. optimist | 18. moist | 30. birthrates |
| 7. heftiness | 19. presence | 31. knowledge |
| 8. citadels | 20. falsehood | 32. performing animals |
| 9. negative position | 21. teams | 33. egomaniac |
| 10. obstreperous | 22. mattresses | 34. eliminated |
| 11. phenomenon (no hallucination) | 23. desecrating | 35. self-image |
| 12. eyrie nest | 24. autocratic | 36. self-righteousness |

KAMCHATKA WORDS

S. Kahan

1. BOYCOTT
2. TOCCATA
3. ATTACHE
4. CHEETAH
5. EMPATHY
6. BATHMAT
7. COPYCAT
8. HATCHET
9. MAMMOTH
10. COOKBOOK
11. PAYCHECK
12. BACKPACK
13. CATACOMB
14. TEAMMATE
15. COCKATOO
16. MATCHBOX
17. POPPYCOCK
18. HATCHBACK
19. TOOTHACHE
20. POCKETBOOK